

[a selectively skewable sawbox, skewable in a generally horizontal plane about a vertical axis of rotation relative to an infeed path and positionable in said infeed path so as to receive a workpiece translated generally longitudinally along said infeed path and into said sawbox,

said sawbox rotatably supporting, on a selectively rotatable generally horizontal saw arbor selectively rotatable about a generally laterally extending horizontal axis of rotation, a plurality of generally vertically and longitudinally aligned saw blades in parallel selectively adjustable laterally spaced array,

saw blade array spacing selective adjustment means mounted to said sawbox for selective adjustment of lateral spacing between said saw blades in said parallel selectively adjustable laterally spaced array along said saw arbor,

saw translating means for laterally translating said parallel selectively adjustable laterally spaced array relative to said sawbox according to an optimized profile]

a skewable sawbox mounted in said infeed path and skewable relative to said infeed path,

a saw arbor mounted horizontally in said sawbox, generally laterally across said infeed path,

an array of saw blades mounted on said saw arbor,

saw spacing means for presetting of lateral spacing between individual saw blades of said array of saw blades,

saw translating means for active translating of said array of saw blades, in unison in a second direction, relative to said sawbox according to an optimized sawing profile,

wherein said saw spacing means and said saw translating means are parallel rigid members,

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said parallel rigid members extending and selectively translatable in said second direction,
generally parallel to said saw arbor, saw blade guides rigidly mounted to said parallel rigid
members for corresponding translation with said parallel rigid members so as to selectively
position said saw blades in said second direction.

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 3. (once amended) The saw of claim 1 [wherein said saw blade array spacing selective adjustment means are selectively positionable laterally translatable parallel rigid members extending and translatable generally parallel to said saw arbor, said translatable parallel rigid members rigidly mounted to corresponding saw blade guide means for selective slidable lateral positioning of said saw blades along said saw arbor, wherein selective lateral positioning of each of said translatable parallel rigid members selectively laterally positions one corresponding saw blade of said saw blades, whereby lateral spacing between said saw blades may be adjusted prior to lateral translation of said laterally spaced array of said saw blades,] wherein said parallel rigid members include cylinder shafts selectively positionable by actuation of corresponding positioning cylinders.

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 and wherein said saw translating means [is selectively actuatable] further comprises a tie bar rotatably mounted on said arbor and rigidly mounted to a first cylinder shaft of said cylinder shafts so as to extend between said arbor and said first cylinder shaft, said tie bar rotatably mounted on said arbor to allow rotation of said arbor and said saw blades for sawing said workpiece, said tie bar coupled to said arbor by lateral coupling means so that lateral translation of said first cylinder shaft causes corresponding lateral translation of said arbor,

actuation of a first positioning cylinder of said positioning cylinders, said first positioning cylinder corresponding to said first cylinder shaft, translating said arbor, said first cylinder shaft, a first saw blade guide of said saw blade guides, and a first saw blade of said array of saw blades corresponding to said first saw blade guide [clamping means:

(a) selectively actuatable to selectively rigidly couple a first translatable parallel rigid

member of said translatable parallel rigid members to said translatable parallel rigid members other than said first translatable parallel rigid member when said translatable parallel rigid members other than said first translatable parallel rigid member are free floating by activation of free floating means cooperating with said translatable parallel rigid members, and

- (b) coupling said first translatable parallel rigid member to said saw arbor so as to rigidly couple said first translatable parallel rigid member to said saw arbor in a transverse direction along said horizontal axis of rotation and so as to rotatably couple said first translatable parallel rigid member to said saw arbor about said horizontal axis of rotation.

wherein said first translatable parallel rigid member is selectively actuably positionable when said translatable parallel rigid members other than said first translatable parallel rigid members are free floating, whereby selective positioning of said first translatable parallel rigid member according to said optimized profile translates said laterally spaced array of said saw blades according to said optimized profile as said workpiece is translated along said feedpath and through said sawbox].

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3 (once amended) The saw of claim 1 wherein said saw blades are splined and slidably mounted on a correspondingly externally splined sleeve, and wherein said sleeve is internally splined and slidably mounted on external splines on said saw arbor],

and wherein said saw blade array spacing selective adjustment means are selectively positionable laterally translatable parallel rigid members extending and translatable generally parallel to said saw arbor, said translatable parallel rigid members rigidly mounted to corresponding saw blade guide means for selective slidable lateral positioning of said saw blades along said sleeve, wherein selective lateral positioning of each of said translatable parallel rigid members selectively laterally positions one corresponding saw blade of said

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saw blades, whereby lateral spacing between said saw blades may be adjusted prior to lateral translation of said laterally spaced array of said saw blades,

and wherein said saw translating means are said translatable parallel rigid members rigidly mounted to said saw blade guide means wherein a first translatable parallel rigid member of said translatable parallel rigid members is clamped, by clamping means, to said sleeve so as to selectively translate said sleeve relative to said saw arbor in unison with said first translatable parallel rigid member].

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14. ¹ (once amended) The saw of claim ¹ 12 wherein edging end blades at either end of said [laterally spaced] array of [said] saw blades are chipping heads coupled by gearing means to said saw arbor for optimal rotational speed, in chipping planes parallel to said saw blades, of chipping blades on said chipping heads so as to bring said chipping blades into chip cutting engagement with said workpiece translating generally longitudinally into said sawbox for curve sawing and edging.

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21. ¹⁴ (once amended) In [a selectively adjustable] an edging and curve-sawing saw having a sawbox rotatably supporting, on a [selectively rotatable] generally horizontal saw arbor [selectively rotatable about a generally laterally extending horizontal axis of rotation], a plurality of generally vertically [and longitudinally] aligned saw blades in [parallel selectively adjustable] laterally spaced array, a method for [selectively adjustable] edging and curve sawing comprising the steps of:

- (a) skewing [a selectively skewable sawbox in a generally horizontal plane about a vertical axis of rotation relative to an infed path] and positioning said sawbox in [said] a workpiece infed path so as to receive a workpiece translated generally longitudinally along said infed path and into said sawbox,
- (b) adjusting saw blade spacing within said laterally spaced array by [saw blade array

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spacing selective] adjustment means mounted to said sawbox [for selective adjustment of lateral spacing between said saw blades in said parallel selectively adjustable lateral spaced array along said saw arbor], and

- (c) laterally translating, by saw translating means, said laterally spaced array relative to said sawbox according to an optimized profile as said workpiece is fed through said sawbox.

Please add new claims 22 - 24 as follows:

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~~22.~~ The saw of claim 3 wherein said tie bar is mounted to all of said cylinder shafts, so that actuation of said first positioning cylinder translates said arbor, said cylinder shafts, said saw blade guides, and said saw blades.

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~~23.~~ The saw of claim 3 wherein said tie bar includes a selectively actuatable clamp to selectively couple said tie bar to said first cylinder shaft.

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~~24.~~ The saw of claim 3 wherein said tie bar includes selectively actuatable clamps to selectively couple said tie bar to said cylinder shafts, wherein said positioning cylinders may be independently actuated to preset spacing between said saw blades and said clamps then actuated to couple said tie bar to said cylinder shafts so that said saw blades may be actively laterally translated in unison at said preset saw blade spacing by actuation of said first positioning cylinder.

In the Specification

Please amend the specification as follows:

Page 7, line 2, deleted "thus".